

WHAT IS CLAIMED IS:

1. A voice activated Hypermedia system using grammatical metadata, said system comprising:
 - a. a speech user agent;
 - b. a browsing module; and
 - c. an information resource.
2. The system of Claim 1, wherein said system further includes embedded intelligence in hypermedia source.
3. The system of Claim 2, wherein said system further includes a means for processing the actions of a user based on said embedded intelligence.
4. The system of Claim 3, wherein said system further includes a means for returning a result of said actions to said user.
5. The system of Claim 2, wherein said hypermedia source is a HTML page.
6. The system of Claim 1, wherein said system further includes an instructional module for communicating allowed actions by a user.
7. The system of Claim 2, wherein said embedded intelligence is a grammar.
8. The system of Claim 2, wherein said embedded intelligence is a reference to a grammar.
9. The system of Claim 7, wherein said grammar is dynamically added to a speech recognizer.
10. The system of Claim 3, wherein said actions come from a speech recognizer.

11. A voice activated Hypermedia system using grammatical metadata, said system comprising:

- a. a speech user agent;
- b. a browsing module;
- c. an information resource;

5 d. a means for extracting a grammar from a hypermedia source for future reference to said source;

e. a means for modifying said grammar; and

f. a means for automatically producing an intelligent grammar from said information resource; and

10 g. a means for processing said grammar to produce a reference to said hypermedia source.

12. The system of Claim 11, wherein said system further includes a means for tokenizing a title for addition into said grammar.

15 13. The system of Claim 11, wherein said system includes a means for dynamically adding said grammar to a speech recognizer.

14. A voice activated Hypermedia system using grammatical metadata, said system comprising:

- a. a speech user agent;
- b. a browsing module;
- c. an information resource; and

20 d. a means for producing a grammar from textual representation of links to said information resource.

25 15. The system of Claim 14, wherein said system further includes a means for recognizing sentences from said grammar to follow said links to said information resource.

16. The system of Claim 14, wherein said system further includes a means for adding said

grammars dynamically to said system.

17. The system of Claim 14, wherein said grammars further include word pronunciations.

5 18. The system of Claim 14, wherein said grammars further include multiple options for tokenization.

19. The system of Claim 17, wherein said system further includes a means for dictionary lookup.